

### **In the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend claims 1, 2, 6, 8, 9-11, 13 cancel claims 3-4 and add claims 15-19.

### **Listing of Claims**

1. (Currently amended) A polarizer manufacturing method, said method comprising:  
placing a dichroic material on a dip-pen;  
bringing said dip-pen into contact with a polarizer base to transfer said dichroic material to said base to form a pattern on the polarizer base; and  
hardening said dichroic material over said polarizer base.
2. (Currently amended)The polarizer manufacturing method according to claim 1, wherein a hardening process is used to ~~drying~~ dry said dichroic material.
3. (Cancelled)
4. (Cancelled)
5. (Original)The polarizer manufacturing method according to claim 1, wherein said dip-pen is a tip of an Atomic Force Microscope (AFM).
6. (Currently amended)The polarizer manufacturing method according to claim 1, wherein said dichroic material is ~~materials are~~ transferred to the polarizer base by capillarity.

7. (Original)The polarizer manufacturing method according to claim 1, wherein a transparent macromolecule material or glass is used to form the polarizer base.

8. (Currently amended) A polarizer manufacturing method, said method comprising:  
forming a polarizer material on a dip-pen;  
bringing ~~bringing~~ said dip-pen into contact with a base to transfer said polarizer material to said base; and  
hardening said polarizer material over said ~~polarizer~~ base  
~~forming a protection layer over a surface of said base; and~~  
~~performing a hardening process to harden said protection layer.~~

9. (Currently amended)The polarizer manufacturing method according to claim 8, wherein a hardening process is used to ~~drying~~ dry said polarizer material.

10. (Currently amended)The polarizer manufacturing method according to claim 8, wherein said polarizer material is dichroic material.

11. (Currently amended)The polarizer manufacturing method according to claim 8, wherein said polarizer material is birefringent material.

12. (Original)The polarizer manufacturing method according to claim 8, wherein said dip-pen is a tip of an Atomic Force Microscope (AFM).

13. (Currently amended)The polarizer manufacturing method according to claim 8, wherein said polarizer material is ~~materials are~~ transferred to the polarizer base by capillarity.

14. (Original) The polarizer manufacturing method according to claim 8, wherein a transparent macromolecule material or glass is used to form the polarizer base.

15. (New) A polarizer manufacturing method, said method comprising:  
placing a birefringent material on a dip-pen;  
bringing said dip-pen into contact with a polarizer base to transfer said material to said polarizer base to form a pattern on the polarizer base; and  
hardening said birefringent material over said polarizer base.

16. (New) The polarizer manufacturing method according to claim 15, wherein a hardening process is used to dry said birefringent material.

17. (New) The polarizer manufacturing method according to claim 15, wherein said dip-pen is a tip of an Atomic Force Microscope (AFM).

18. (New) The polarizer manufacturing method according to claim 15, wherein said birefringent material is transferred to the polarizer base by capillarity.

19. (New) The polarizer manufacturing method according to claim 15, wherein a transparent macromolecule material or glass is used to form the polarizer base.